

Claim 49 (Amended) A device for the working of fluids, said device having a cylinder assembly comprising a cylinder with internal circumferential depressions, a component with external circumferential projections and at least one structural member, said external circumferential projections reciprocating in said internal circumferential depressions and both having working surfaces defining at least one pair of toroidal fluid working chambers which in operation have cyclically variable volumes, said at least one structural member having working surfaces mounted internally of said cylinder on said component and having the function of transmitting load imposed by the working surfaces, said cylinder assembly being made of a ceramic material.

Claim 54 (Amended) [The device of claim 49, including a housing for said cylinder assembly,] A device for the working of fluids, said device having a cylinder assembly comprising a cylinder with internal circumferential depressions, a component with external circumferential projections and at least one structural member and a housing for said cylinder assembly, said external circumferential projections reciprocating in said internal circumferential depressions and both having working surfaces defining at least one pair of toroidal fluid working chambers which in operation have cyclically variable volumes, said at least one structural member having working surfaces mounted internally of said cylinder on said component and having the function of transmitting load imposed by the working surfaces, said cylinder assembly mounted within said housing to enable said assembly to rotate while said component reciprocates within said assembly.

Please add claims 55-59:

-- 55. A device for the working of fluids, said device comprising a chamber assembly having a chamber, head and a component reciprocally movable within said chamber, said head and component defining a variable working volume therebetween, said component having an internal passage for passage of fluids to or from said working volume, said working volume being separated from and pierced by said passage, and a housing for said chamber, head and component, said chamber, head and component being rotatably mounted within said housing to enable said chamber assembly to rotate within said housing while said component reciprocates within said assembly. --

-- 56. A device for the working of fluids, said device having a cylinder assembly comprising a cylinder with internal circumferential depressions, a component with external circumferential projections, at least one structural member and a means, said external circumferential projections reciprocating in said internal circumferential depressions and both having working surfaces defining at least one pair of torroidal fluid working chambers which in operation have cyclically variable volumes, said at least one structural member having working surfaces mounted internally of said cylinder on said component and having the function of transmitting load imposed by the working surfaces, said means surrounding said cylinder to define a volume for the passage of fluids from said working chambers. --

-- 57. A device for the working of fluids, said device having a cylinder assembly comprising a cylinder with internal circumferential filled and unfilled depressions, a component with external circumferential projections and at least one structural member, said external circumferential projections reciprocating as filler in said internal circumferential filled depressions and both having working surfaces defining at least one pair of torroidal fluid working chambers which in operation have cyclically variable volumes, said at least one structural member having working surfaces mounted internally of said cylinder on said component and having the function of transmitting load imposed by the working surfaces. --

-- 58. A device for the working of fluids, said device having a cylinder assembly comprising a cylinder with internal circumferential depressions, a component with external circumferential projections and unfilled depressions and at least one structural member, said external circumferential projections reciprocating in said internal circumferential depressions and both having working surfaces defining at least one pair of torroidal fluid working chambers which in operation have cyclically variable volumes, said at least one structural member having working surfaces mounted internally of said cylinder on said component and having the function of transmitting load imposed by the working surfaces. --